



GENERAL NOTES:

ALL CONCRETE FOR CAST-IN-PLACE PILES SHALL BE CLASS B-1.

ADDITIONAL THICKNESS MAY BE REQUIRED FOR THIN SHELL TYPES TO PROVIDE SUFFICIENT STRENGTH TO WITHSTAND DRIVING WITHOUT INJURY AND TO RESIST HARMFUL DISTORTION OR BUCKLING DUE TO SOIL PRESSURE AFTER BEING DRIVEN AND THE MANDREL REMOVED.

THE MINIMUM WALL THICKNESS OF ANY SPOT OR LOCAL AREA OF ANY TYPE SHALL NOT BE MORE THAN 12.5% UNDER THE SPECIFIED NOMINAL WALL THICKNESS.

WHERE 3/4" CLOSURE PLATES ARE REQUIRED FOR TIPS OF PIPE PILES, THE CLOSURE PLATES SHALL NOT PROJECT BEYOND THE OUTSIDE DIAMETER OF THE PIPE PILES. SATISFACTORY WELDMENTS MAY BE MADE BY BEVELING TIP ENDS OF PIPE OR BY USE OF INSIDE BACKING RINGS. IN EITHER CASE, PROPER GAPS SHALL BE USED TO OBTAIN WELD PENETRATION FULL THICKNESS OF PIPE.

SPLICE DETAILS FOR CAST-IN-PLACE CONCRETE PILES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ALL SPLICES OF SHELLS FOR CAST-IN-PLACE CONCRETE PILES SHALL BE MADE WATER TIGHT AND TO THE FULL STRENGTH OF THE SHELL ABOVE AND BELOW THE SPLICE TO PERMIT HARD DRIVING WITHOUT DAMAGE. ALL SHELLS DAMAGED DURING DRIVING SHALL BE REPLACED WITHOUT COST TO THE STATE. SHELL SECTIONS USED FOR SPLICING SHALL BE AT LEAST 5'-0" IN LENGTH. THE SPLICE AT THE TAPERED SECTION SHALL BE AT LEAST 5'-0" BELOW THE STREAMBED FOR INTERMEDIATE TRETTLE TYPE BENTS.

MISSOURI HIGHWAY AND TRANSPORTATION
COMMISSION

CAST-IN-PLACE
CONCRETE PILES
(APPROVED TYPES)

DATE _____

EFFECTIVE: 07-01-2004

702.02F

1
1